

Eaton 216602

Catalog Number: 216602

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, momentary, Without button plate, Bezel: titanium

General specifications



Product Name	Catalog Number
Eaton Moeller® series M22 Pushbutton	216602
EAN	Model Code
4015082166021	M22-D-X
Product Length/Depth	Product Height
30 mm	30 mm
Product Width	Product Weight
30 mm	0.009 kg
Compliances	Certifications
CE Marked	IEC 60947-5
	CSA Std. C22.2 No. 14-05
	EN 60947-5
	CSA Std. C22.2 No. 94-91
	UL 508
	VDE
	CSA-C22.2 No. 94-91
	UL File No.: E29184
	CSA File No.: 012528
	CSA
	IEC/EN 60947
	CSA Class No.: 3211-03
	IEC/EN 60947-5
	CE
	CSA-C22.2 No. 14-05
	UL
	UL Category Control No.: NKCR
	VDE 0660
	DNV
	GL

Features & Functions

Bezel color

Titanium

Bezel material

Plastic

Design

Classical

Fitted with:

Front ring

General

Degree of protection

NEMA 12

IP66

NEMA 3R

NEMA 4X

IP67

IP69K

NEMA 13

Degree of protection (front side)

IP67/IP69K

NEMA 4X

Lifespan, mechanical

5,000,000 Operations

Opening diameter

22.5 mm

Operating frequency

3600 Operations/h

Product category

RMQ-Titan

Size

Front dimensions: 22 x 22 mm

Type

Pushbutton actuator

Ambient conditions, mechanical

Mounting position

As required

Shock resistance

30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

Mechanical, According to IEC/EN 60068-2-27

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

70 °C

Ambient storage temperature - min

40 °C

Ambient storage temperature - max

80 °C

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Communication

Connection to SmartWire-DT

With SWD-RMQ connections

Yes

Actuator

Actuating force

5 N

Actuator color

Without button plate

Actuator function

Spring-return

Momentary

Contacts

Force for positive opening - min

0 N

Design verification

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

0 W

Rated operational current for specified heat dissipation (I_n)

0 A

Static heat dissipation, non-current-dependent P_{vs}

0 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be

evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

Not applicable.

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Resources

Catalogs

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

Certification reports

[0000SPC-179](#)

[0000SPC-183](#)

Declarations of conformity

[DA-DC-00004135.pdf](#)

[DA-DC-00004157.pdf](#)

Drawings

[eaton-operating-actuation-m22-dimensions-002.eps](#)

[116X102](#)

[116X214](#)

[eaton-operating-pushbutton-m22-dimensions-004.eps](#)

[eaton-operating-pushbutton-m22-dimensions-003.eps](#)

[116X103](#)

Drawings

[eaton-general-approval-m22-symbol.eps](#)

[eaton-operating-samrtwire-m22-3d-drawing.eps](#)

[eaton-general-m22-symbol.eps](#)

[0000SPC-180](#)

[eaton-general-m22-standards.eps](#)

[116I256](#)

eCAD model

[ETN.216602.edz](#)

[ETN.M22-D-X](#)

Installation instructions

[eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf](#)

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[eaton-cadenas-side_view-drucktaste_ohne_tastenplatte_side.pra](#)

[eaton-cadenas-path-temp-drucktaste_ohne_tastenplatte.3db](#)

[eaton-cadenas-front_view-drucktaste_ohne_tastenplatte_front.pra](#)

[DA-CD-drucktaste_ohne_tastenplatte](#)

[DA-CS-drucktaste_ohne_tastenplatte](#)

Multimedia

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ](#)

[multi color indicator](#)

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

[RMQ small E-Stop emergency-stop button](#)

[MCI MultiColor Light Indicator RMQ compact solution](#)

Sales notes

[eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf](#)

[eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf](#)

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

[eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf](#)

System overview

[Pilot devices - selection aid](#)



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